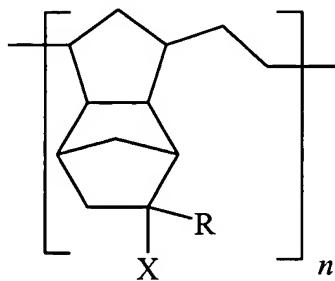


AMENDMENTS TO THE CLAIMS

This Listing Of Claims will replace all prior versions, and listings, of the claims in the application.

Listing of the Claims:

Claim 1 (Previously Presented): A process for producing an optical film from a polyolefin of formula:



in which at every occurrence of the substituents R and X they are either both hydrogen or R is methyl and X is a polar group, and *n* is a number from 10 to 1000, comprising steps of:

- (i) dissolving the polyolefin in an organic solvent or solvent mixture,
- (ii) casting the solution onto a smooth substrate in an atmosphere comprising at least 1 percent by volume of solvent vapor at a temperature below the boiling point of the solvent, with substantially laminar gas flow being maintained over the smooth substrate,
- (iii) evaporating the solvent from the cast solution to obtain a self-supporting film, and
- (iv) peeling the film away from the substrate and drying at a temperature rising to 70 to 140 °C, without any resultant orientation of the film.

Claim 2 (Currently Amended): The process as claimed in ~~claim~~ Claim 1, wherein the organic solvent has been selected from the group consisting of dichloromethane, toluene, cyclohexane and mixtures of these solvents.

Claim 3 (Currently Amended): The process as claimed in ~~claim~~ Claim 2, wherein the organic solvent is dichloromethane, and the casting procedure takes place at a temperature not above 35 °C.

Claim 4 (Previously Presented): The process as claimed in Claim 1, wherein at least some of the substituents X are C₁₋₄-alkoxycarbonyl groups.

Claim 5 (Currently Amended): The process as claimed in ~~claim~~ Claim 4, wherein at least some of the substituents X are methoxycarbonyl groups.

Claim 6 (Previously Presented): The process as claimed in Claim 1, wherein the concentration of the polyolefin in the casting solution is from 20 to 35 percent by weight.

Claim 7 (Previously Presented): The process as claimed in Claim 1, wherein the thickness of the film produced is from 30 to 200 µm.

Claim 8 (Previously Presented): The process as claimed in Claim 2, wherein at least some of the substituents X are C₁₋₄-alkoxycarbonyl groups.

Claim 9 (Previously Presented): The process as claimed in Claim 3, wherein at least some of the substituents X are C₁₋₄-alkoxycarbonyl groups.

Claim 10 (Previously Presented): The process as claimed in Claim 2, wherein the concentration of the polyolefin in the casting solution is from 20 to 35 percent by weight.

Claim 11 (Previously Presented): The process as claimed in Claim 3,

wherein the concentration of the polyolefin in the casting solution is from 20 to 35 percent by weight.

Claim 12 (Previously Presented): The process as claimed in Claim 4, wherein the concentration of the polyolefin in the casting solution is from 20 to 35 percent by weight.

Claim 13 (Previously Presented): The process as claimed in Claim 5, wherein the concentration of the polyolefin in the casting solution is from 20 to 35 percent by weight.

Claim 14 (Previously Presented): The process as claimed in Claim 2, wherein the thickness of the film produced is from 30 to 200 μm .

Claim 15 (Previously Presented): The process as claimed in Claim 3, wherein the thickness of the film produced is from 30 to 200 μm .

Claim 16 (Previously Presented): The process as claimed in Claim 4, wherein the thickness of the film produced is from 30 to 200 μm .

Claim 17 (Previously Presented): The process as claimed in Claim 5, wherein the thickness of the film produced is from 30 to 200 μm .

Claim 18 (Previously Presented): The process as claimed in Claim 6, wherein the thickness of the film produced is from 30 to 200 μm .